

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Serial No.: 09/190,207  
6/A

Filed: November 13, 1998

Group Art Unit: 2643

Examiner: Ray, Lonnie L.

Atty Docket No.: Chen 4

Our Ref.: 73-853

SMC  
7/28/02

IN RE PATENT APPLICATION OF:

**CHEN**

TITLE: **METHOD AND APPARATUS FOR REGULARIZING MEASURED HRTF  
FOR SMOOTH 3D DIGITAL AUDIO**

July 24, 2002

## AMENDMENT

Director of the US Patent and Trademark Office  
Washington, D.C. 20231

Sir:

Responsive to the Office Action dated April 24, 2002, please enter  
the following amendments and remarks in the subject application:

## RECEIVED

JUL 29 2002  
Technology Center 2600

### IN THE CLAIMS:

Kindly amend the claims as follows:

#### Clean Set of Claims

A/ Ans B/7

1. A time domain head-related transfer function model for use with  
3D sound applications, comprising:  
a plurality of Eigen filters;  
a plurality of time domain spatial characteristic functions are  
adaptively combined with said plurality of Eigen filters; and  
a plurality of regularizing models adapted to regularize said plurality  
of time domain spatial characteristic functions prior to said respective  
combination with said plurality of Eigen filters.

Ans



THE UNITED STATES PATENT AND TRADEMARK OFFICE

**TRANSMITTAL LETTER (Large Entity)**

Application Number: **09/190,207**

Group Art Unit: **2643**

Filed: **November 13, 1998**

Examiner Name: **Ray**

Applicant: **Chen**

Attorney Docket Number: **Chen 4**

TITLE: **METHOD AND APPARATUS FOR REGULARIZING MEASURED HRTF FOR SMOOTH 3D DIGITAL AUDIO**

Total Number of Pages in this Submission: **12**

**DIRECTOR OF US PATENT AND TRADEMARK OFFICE  
WASHINGTON, DC 20231**

SIR:

Transmitted herewith are  
an amendment in the above-identified application (12 Pages)

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**JUL 29 2002**

**Technology Center 2600**

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED					
	CLAIMS REMAINING AFTER Amendment	HIGHEST # PREV. PAID FOR	# OF EXTRA CLAIMS	RATE	ADDITIONAL FEE
Total Claims	12	12	0	x \$18 =	\$ 0.00
Independent Claims	6	6	0	x \$84 =	\$ 0.00
Multiple Dependent Claim(s), if applicable				x \$280=	
					<b>TOTAL ADDITIONAL FEE: \$ 0.00</b>

The Commissioner is hereby authorized to charge any additional fees required under 37 C.F.R. 1.16 or any patent application processing fees under 37 C.F.R. 1.17 associated with this communication, or credit any over payment to Deposit Account No. 50-0687 under Order No. 73-853.

Respectfully submitted,

*Will H. Bollman*

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Date: July 24, 2002

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